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      1
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                 CHEMLIST enhanced with New Zealand Inventory of Chemicals
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         JAN 16
                 CA/CAplus Company Name Thesaurus enhanced and reloaded
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         JAN 16
                 IPC version 2007.01 thesaurus available on STN
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      5
         JAN 16
                 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
                 CA/CAplus updated with revised CAS roles
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         JAN 22
         JAN 22
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                 CA/CAplus enhanced with patent applications from India
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         JAN 29
                 PHAR reloaded with new search and display fields
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         JAN 29
                 CAS Registry Number crossover limit increased to 300,000 in
                 multiple databases
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         FEB 15
                 PATDPASPC enhanced with Drug Approval numbers
NEWS 11
         FEB 15
                 RUSSIAPAT enhanced with pre-1994 records
NEWS 12
        FEB 23
                 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13
        FEB 26
                 MEDLINE reloaded with enhancements
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         FEB 26
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NEWS 17
         FEB 26
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                 to 300,000 in multiple databases
NEWS 18
         MAR 15
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NEWS 19
         MAR 16
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NEWS 20
         MAR 20
                 MARPAT now updated daily
         MAR 22
NEWS 21
                 LWPI reloaded
NEWS 22
         MAR 30
                 RDISCLOSURE reloaded with enhancements
NEWS 23
        APR 02
                 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30
                 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25
        APR 30
                 CHEMCATS enhanced with 1.2 million new records
                 CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 26 APR 30
NEWS 27
         APR 30
                 INPADOC replaced by INPADOCDB on STN
                 New CAS web site launched
NEWS 28
         MAY 01
NEWS 29
         80 YAM
                 CA/CAplus Indian patent publication number format defined
NEWS 30
         MAY 14
                 RDISCLOSURE on STN Easy enhanced with new search and display
                 fields
              NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS LOGIN
              Welcome Banner and News Items
NEWS IPC8
              For general information regarding STN implementation of IPC 8
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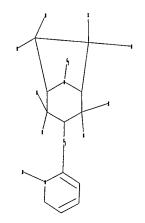
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

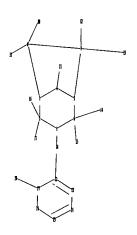
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chain nodes :
10 11 12 13 14 15 16 17 18 21 28
ring nodes :
1 2 3 4 5 6 7 8
                       22 23 24
                                  25 26 27
chain bonds :
1-18 \quad 2-16 \quad 2-17 \quad 4-21 \quad 6-14 \quad 6-15 \quad 7-12 \quad 7-13 \quad 8-10 \quad 8-11 \quad 18-22 \quad 27-28
ring bonds :
1-2 1-6 2-3 3-4 3-8 4-5 5-6 5-7 7-8 22-23 22-27 23-24 24-25 25-26
26-27
exact/norm bonds :
1-2 1-6 1-18 2-3 3-4 4-5 4-21 5-6 18-22 22-23 22-27 23-24 24-25 25-26
26-27
exact bonds :
2-16 2-17 3-8 5-7 6-14 6-15 7-8 7-12 7-13 8-10 8-11 27-28
isolated ring systems :
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## containing 1 :

G1:0,S,N

G2:C,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:CLASS

## L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 10:41:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 16335 TO ITERATE

100.0% PROCESSED 16335 ITERATIONS

7 ANSWERS

172.31

SEARCH TIME: 00.00.01

L2 7 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

172.10

FULL ESTIMATED COST

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ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2004:1154707 CAPLUS

DOCUMENT NUMBER: TITLE:

142:94018 Preparation of novel 8-azabicyclo[3.2.1]octane

derivatives for use in pharmaceutical compositions as

monoamine neurotransmitter re-uptake inhibitors

Peters, Dan; Eriksen, Birgitte L.; Nielsen, Elsebet

Ostergaard; Scheel-Krueger, Jorgen; Olsen, Gunnar M.

PATENT ASSIGNEE(S):

Neurosearch A/S, Den.

SOURCE:

PCT Int. Appl., 45 pp.

INVENTOR(S):

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

F	PATENT NO.						KIND DATE			APPLICATION NO.						DATE		
<i>™</i>	WO 2004113334						20041229		WO 2004-EP51167				20040618					
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E	P	1638	965			<b>A</b> 1		2006	0329		ΕP	2004-	7418	37		2	0040	618
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OTHER	OTHER SOURCE(S).					MARI	РΔТ	1/2.	94018		-				•	_		

OTHER SOURCE(S):

MARPAT 142:94018

GΙ

AB 8-Azabicyclo[3.2.1]octane derivs. of tropine and pseudotropine, such as I [R = H, alkyl; R1 = aryl, heteroaryl; X = O, S, NR3; R3 = H, alkyl, acyl,sulfonyl, etc.], were prepared for therapeutic use in the treatment of diseases, disorders or conditions responsive to inhibition of monoamine neurotransmitter reuptake in the central nervous system (CNS). disorders claimed for treatment include mood disorder, depression, atypical depression, major depressive disorder, dysthymic disorder, bipolar disorder, bipolar I disorder, bipolar II disorder, cyclothymic disorder, mood disorder due to a general medical condition, substance-induced mood disorder, pseudodementia, Ganser's syndrome, obsessive compulsive disorder, panic disorder, panic disorder without agoraphobia, panic disorder with agoraphobia, agoraphobia without history of panic disorder, panic attack, memory deficits, memory loss, attention deficit hyperactivity disorder, obesity, anxiety, generalized anxiety disorder, eating disorder, Parkinson's disease, parkinsonism, dementia, dementia of ageing, senile dementia, Alzheimer's disease, acquired immunodeficiency syndrome dementia complex, memory dysfunction in ageing, specific phobia, social phobia, posttraumatic stress disorder, acute stress disorder, drug addiction, drug misuse, cocaine abuse, nicotine abuse, tobacco abuse and alcoholism. Further, the CNS disorders claimed for treatment include pain, chronic pain, inflammatory pain, neuropathic pain, migraine pain, tension-type headache, chronic tension-type headache, pain associated with depression, fibromyalgia, arthritis, osteoarthritis, rheumatoid arthritis, back pain, cancer pain, irritable bowel pain, irritable bowel syndrome, postoperative pain, post-stroke pain, drug-induced neuropathy, diabetic neuropathy, sympathetically-maintained pain, trigeminal neuralgia, dental pain, myofacial pain, phantom-limb pain, bulimia, premenstrual syndrome, late luteal phase syndrome, posttraumatic syndrome, chronic fatigue syndrome, urinary incontinence, stress incontinence, urge incontinence, nocturnal incontinence, sexual dysfunction, premature ejaculation, erectile difficulty, erectile dysfunction, eating disorders, anorexia nervosa, sleep disorders, autism, mutism, trichotillomania, narcolepsy, post-stroke depression, stroke-induced brain damage, stroke-induced neuronal damage or Gilles de la Tourette's disease. Thus, endo-8-azabicyclo[3.2.1]octane derivative II was prepared in 33% yield by reacting tropine with tetrahydrothiophene using t-BuOK and 18-crown-6 ether in DMF. Dosages and pharmaceutical compns. of these 8-azabicyclo[3.2.1]octanes were discussed.

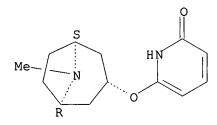
IT 817198-69-9P, exo-3-(6-Hydroxypyridin-2-yloxy)-8-methyl-8-azabicyclo[3.2.1]octane 817198-70-2P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel 8-azabicyclo[3.2.1]octane tropine or pseudotropine derivs. for use in pharmaceutical compns. as monoamine neurotransmitter re-uptake inhibitors)

RN 817198-69-9 CAPLUS

CN 2(1H)-Pyridinone, 6-[[(3-exo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]oxy]- (9CI) (CA INDEX NAME)



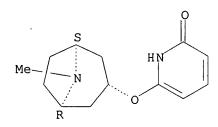
RN 817198-70-2 CAPLUS

2(1H)-Pyridinone, 6-[[(3-exo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]oxy]-,CN (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1.

CRN 817198-69-9 CMF C13 H18 N2 O2

Relative stereochemistry.



CM

CRN 110-17-8 CMF C4 H4 O4

Double bond geometry as shown.

REFERENCE COUNT:

5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

CAPLUS COPYRIGHT 2007 ACS on STN ANSWER 2 OF 5

ACCESSION NUMBER:

2004:534173 CAPLUS

DOCUMENT NUMBER:

141:89016

TITLE:

Preparation of benzimidazolylazabicyclooctylethylpiperidine

s as Ccr5 antagonists for the treatment of HIV

infection

INVENTOR(S):

%Kazmierski, Wieslaw Mieczyslaw; Aquino, Christopher Joseph; Bifulco, Neil; Boros, Eric Eugene; Chauder, Brian Andrew; Chong, Pek Yoke; Duan, Maosheng; Deanda,

Felix, Jr.; Koble, Cecilia Suarez; Mclean, Ed Williams; Peckham, Jennifer Poole; Perkins, Angilique

C.; Thompson, James Benjamin; Vanderwall, Dana

Smithkline Beecham Corporation, USA; et al.; et al.

PATENT ASSIGNEE(S): PCT Int. Appl., 859 pp.

SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

## PATENT INFORMATION:

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PATENT NO.
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     WO 2004054974
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                                                IN 2005-KN1328 20050711
US 2002-433634P P 20021213
WO 2003-US39644 W 20031212
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
                          MARPAT 141:89016
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- \* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY AVAILABLE VIA OFFLINE PRINT \*
- AB Compds. I [R1 = (optionally substituted) alkyl, aryl, heteroaryl, carbocyclyl; R2 = H, (optionally substituted) alkyl, aryl, heteroaryl, cycloalkyl, heterocycloalkyl, aralkyl, heteroarylalkyl, heteroarylcycloalkyl, aralkylcarbonyl, heteroarylsulfinyl; R3 = H, halo, cyano, trifluoromethyl, (optionally substituted) amino, acylamino, alkyl; X = C1-5 alkylene, optionally substituted with oxo or thioxo groups or halogen atoms, and optionally containing 1-3 oxygen, nitrogen, sulfur, or phosphorus atoms; Y = carbonyl, thiocarbonyl, 1,2-dioxoethylene, oxyalkylcarbonyl, sulfinyl, sulfonyl, oxycyanoimino, (optionally substituted) aminocarbonyl, carbonylamino, aminothiocarbonyl, oxyiminomethyl, thioiminomethyl, amino(cyanoimino)methyl, (cyanoimino) methyl, amino (acylimino) methyl, amino (sulfonylimino) methyl, amino(sulfinylimino)methyl, amino(alkoxyimino)methyl, amino(imino)methyl, (cyanoimino)methoxy, iminomethoxy, (cyanoimino)methanethiyl, alkylcarbonyloxy; A = saturated, partially saturated, or aromatic monocyclic ring

with 5-6 atoms or a bicyclic ring with 8-10 members containing 0-5 nitrogen, oxygen, and/or sulfur atoms] such as II are prepared I are prepared as Ccr5 antagonists for the treatment of viral infections, (particularly HIV infection), related syndromes such as AIDS-related complex (ARC), progressive generalized lymphadenopathy, Kaposi's sarcoma, and neurol. conditions, and other diseases such as multiple sclerosis, rheumatoid arthritis, Crohn's disease, and immune-mediated disorders. The invention compds. have pIC50 values of ≥5 in assays for Ccr5 antagonism. Piperidineacetaldehyde III is prepared in four steps from 4-phenyl-4-piperidinecarbonitrile by protection of the piperidine with Boc anhydride, reduction of the nitrile with diisobutylaluminum hydride, Wittig olefination with methoxymethylphosphonium chloride, and hydrolysis of the

enol ether with catalytic p-toluenesulfonic acid monohydrate. The hydrochloride of endo-(benzimidazolyl)azabicyclooctane IV is prepared in five steps from tert-Bu endo-3-oxo-8-azabicyclo[3.2.1]octane-8-carboxylate; reductive amination with benzylamine, reductive cleavage of the benzyl group by palladium-mediated hydrogenation, a nucleophilic aryl substitution reaction with 1-fluoro-2-nitrobenzene, reduction of the nitro group by hydrogenation over palladium on carbon, and treatment with tri-Et orthoacetate followed by treatment with hydrochloric acid in ethanol. Coupling of III and IV by reductive amination with sodium triacetoxyborohydride, cleavage of the Boc group with hydrochloric acid in dioxane, and acylation with pivaloyl chloride and triethylamine yields II. 716359-09-0P 716359-10-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of benzimidazolylazabicyclooctylethylpiperidine Ccr5 antagonists in the treatment of bacterial and viral infections and other diseases)

716359-09-0 CAPLUS RN

ΙT

CN

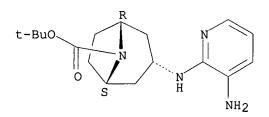
8-Azabicyclo[3.2.1]octane-8-carboxylic acid, 3-[(3-nitro-2pyridinyl)amino]-, 1,1-dimethylethyl ester, (3-endo)-rel- (9CI) NAME)

Relative stereochemistry.

RN 716359-10-3 CAPLUS

CN 8-Azabicyclo[3.2.1]octane-8-carboxylic acid, 3-[(3-amino-2pyridinyl)amino]-, 1,1-dimethylethyl ester, (3-endo)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2003:91257 CAPLUS

DOCUMENT NUMBER:

138:385389

TITLE:

p38 Inhibitors: piperidine- and 4-aminopiperidinesubstituted naphthyridinones, quinolinones, and

dihydroquinazolinones

AUTHOR(S):

Hunt, Julianne A.; Kallashi, Florida; Ruzek, Rowena D.; Sinclair, Peter J.; Ita, Ida; McCormick, Sherrie X.; Pivnichny, James V.; Hop, Cornelis E. C. A.; Kumar, Sanjeev; Wang, Zhen; O'Keefe, Stephen J.; O'Neill, Edward A.; Porter, Gene; Thompson, James E.; Woods, Andrea; Zaller, Dennis M.; Doherty, James B. Department of Medicinal Chemistry, Merck & Co., Inc.,

CORPORATE SOURCE:

Rahway, NJ, 07065, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2003),

13(3), 467-470

Ι

Journal

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: LANGUAGE:

OTHER SOURCE(S):

English CASREACT 138:385389

GT

AB A series of C7-piperidine- and 4-aminopiperidine-substituted naphthyridinones, quinolinones, and dihydroquinazolinones were synthesized as highly potent inhibitors of both p38 mitogen-activated protein (MAP) kinase activity and tumor necrosis factor (TNF)- $\alpha$  release. The 4-aminopentamethylpiperidine naphthyridinone I, which was designed to block metabolism at major 'hot spots', combined excellent inhibitory potency with good oral bioavailability in the rat.

IT 527680-16-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL

(Biological study); PREP (Preparation)

(synthesis of piperidine and 4-aminopiperidine-substituted naphthyridinones, quinolinones, and dihydroquinazolinones as inhibitors of p38 MAP kinase and TNF- $\alpha$  release)

RN 527680-16-6 CAPLUS

CN 1,6-Naphthyridin-2(1H)-one, 5-(2-chlorophenyl)-1-(2,6-dichlorophenyl)-7[[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:574925 CAPLUS

DOCUMENT NUMBER: 137:140442

TITLE: Preparation of 1,5-diaryl-7-heterocyclyl(alkyl)-2-

quinolinones as p38 protein kinase inhibitors

INVENTOR(S): Doherty, James B.; Stelmach, John E.; Chen, Meng-Hsin;

Liu, Luping; Hunt, Julianne A.; Ruzek, Rowena D.; Goulet, Joung L.; Wisnoski, David D.; Natarajan, Swaminathan Ravi; Rupprecht, Kathleen M.; Bao,

Jianming; Miao, Shouwu; Hong, Xingfang

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 440 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	rent :	NO.			KIN	D -	DATE			APPI	LICAT	ION I	NO.		D.	ATE Ì	
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		LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	, MX,	ΜZ,	NO,	ΝZ,	OM,	PH,	PL,
		PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,	UA,
		UG,	US,	UZ,	VN,	YU,	ZA,	ZM,	zw								
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	ŚZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
											CY,						
											BF,						-
		GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG				•	·		•
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AU	2002	2466	7 <b>7</b>		A1		2002	0806		AU 2	2002-2	2466	77		2	0011	214
EP	1345	603			A1		2003	0924		EP 2	2001-	9942	60		2	0011	214
											IT,						
								MK,							•		•
JP	2004	5218	92		${f T}$		2004	0722		JP 2	2002-	5590	29		2	0011	214
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US	6809	199			В2		2004	1026									
PRIORITY	Y APP	LN.								US 2	2000-2	2568	22P	]	P 2	0001	220
											2001-					0011	

$$C1$$
 $C1$ 
 $C1$ 
 $R^2$ 
 $R^1$ 

Ι

AΒ Title compds. were prepared Thus, 2,6-dibromo-4-methoxytoluene was converted in 5 steps to arylquinolinone I (R1 = Br, R2 = OMe) which was condensed with 2,4-F2C6H3B(OH)2 and the O-demethylated product converted in 4 steps to I (R1 = C6H3F2-2,4, R2 = 4-piperidinyl). Data for biol. activity of title compds. were given.

ΙT 444661-83-0P

CN

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of 1,5-diaryl-7-heterocyclyl(alkyl)-2-quinolinones as p38 protein kinase inhibitors)

444661-83-0 CAPLUS RN

> 1,6-Naphthyridin-2(1H)-one, 5-(2-chlorophenyl)-1-(2,6-dichlorophenyl)-7-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)amino]- (9CI) (CA INDEX NAME)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

1997:618101 CAPLUS

DOCUMENT NUMBER:

127:278207

TITLE:

Preparation of 4-aminopyrimidine derivatives as

antitumor agents.

INVENTOR(S):

Himmelsbach, Frank; Dahmann, Georg; Von Ruden, Thomas;

"Metz, Thomas

PATENT ASSIGNEE(S):

Dr. Karl Thomae G.m.b.H., Germany; Himmelsbach, Frank;

Dahmann, Georg; Von Ruden, Thomas; Metz, Thomas

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent LANGUAGE: German

PATENT NO.					KIND DATE			APPLICATION NO.										
	9732															9970	303	
	W:	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,	
		DK,	EE,	ES,	FI,	GB,	GE,	HU,	IL,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,	
		LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	ΝZ,	PL,	PT,	
		RO,	RU,	SD,	SE,	SG,	SI,	SK,	ТJ,	TM,	TR,	TT,	UA,	UG,	US,	UZ,	VN,	YU
	RW:	GH,	ΚE,	LS,	MW,	SD,	SZ,	UG,	AT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,	GB,	
		GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	
		ML,	MR,	NE,	SN,	TD,	TG											
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		ΙE,	SI,	LT,	LV,	FΙ												
· CN	1212	695			Α		1999	0331		CN 1:	997~	1927	87		1	9970	303	
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HU	9901	820			A2		1999	0928		HU 1:	999-	1820			1	9970	303	
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JP	2000	5068	47		T		2000	0606		JP 1:	997-	5314	44		1	9970	303	
	9804				Α		1998	0904		NO 1	998-	4084			1	9980	904	
PRIORIT	Y APP	LN.	INFO	.:						DE 1								
										DE 1:	996-	1962	9652		A 1	9960	723	
										WO 1					W 1	9970	303	
OTHER S	OURCE	(S):			CAS	REAC	T 12	7:27	8207	; MA	RPAT	127	:278	207				

GI

AB Title compds. [I; R1 = H, Me; R2 = (substituted) Ph, phenylalkyl; AB = NCR3CH:CH, CH:NCR3CH, etc.; R3 = (substituted) morpholino, piperazinyl, oxopiperazinyl, azetidinyl, pyrrolidinyl, piperidinyl, azacycloheptyl], were prepared Thus, 4-[(3-chloro-4-fluorophenyl)amino]-7-(4-amino-1-piperidinyl)pyrido[4,3-d]pyrimidine (preparation given) was heated with 4-aminopyrimidine in Me2CHOH to give <math>4-[(3-chloro-4-fluorophenyl)amino]-7-(4-amino-1-piperidinyl)pyrido[4,3-d]pyrimidine. I inhibited epidermal growth factor-induced cell proliferation with IC50 = 0.001-0.30 μM. IT 196796-64-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 4-aminopyrimidine derivs. as antitumor agents)

RN 196796-64-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine-4,6-diamine, N4-(4-amino-3,5-dibromophenyl)-N6-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)- (9CI) (CA INDEX NAME)

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(FILE 'HOME' ENTERED AT 10:41:04 ON 17 MAY 2007)

FILE 'REGISTRY' ENTERED AT 10:41:22 ON 17 MAY 2007

L1 STRUCTURE UPLOADED

L2 7 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:41:58 ON 17 MAY 2007 L3 5 S L2 FULL

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.76	200.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.90	-3.90

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS
                 Web Page for STN Seminar Schedule - N. America
                 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS
         JAN 08
                 CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS
      3
         JAN 16
                 IPC version 2007.01 thesaurus available on STN
NEWS
         JAN 16
NEWS
         JAN 16
                 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS
         JAN 22
                 CA/CAplus updated with revised CAS roles
NEWS
         JAN 22
                 CA/CAplus enhanced with patent applications from India
NEWS
     8
         JAN 29
                 PHAR reloaded with new search and display fields
NEWS
         JAN 29
                 CAS Registry Number crossover limit increased to 300,000 in
                 multiple databases
NEWS 10
         FEB 15
                 PATDPASPC enhanced with Drug Approval numbers
NEWS 11
         FEB 15
                 RUSSIAPAT enhanced with pre-1994 records
NEWS 12
         FEB 23
                 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13
         FEB 26
                 MEDLINE reloaded with enhancements
NEWS 14
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                 EMBASE enhanced with Clinical Trial Number field
         FEB 26
NEWS 15
                 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16
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                 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
         FEB 26
                 CAS Registry Number crossover limit increased from 10,000
NEWS 17
                 to 300,000 in multiple databases
NEWS 18
         MAR 15
                 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19
         MAR 16
                 CASREACT coverage extended
NEWS 20
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                 MARPAT now updated daily
NEWS 21
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                 LWPI reloaded
NEWS 22
         MAR 30
                 RDISCLOSURE reloaded with enhancements
NEWS 23
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NEWS 24
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NEWS 25
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NEWS 26
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NEWS 27
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                 INPADOC replaced by INPADOCDB on STN
NEWS 28
         MAY 01
                 New CAS web site launched
                 CA/CAplus Indian patent publication number format defined
NEWS 29
         MAY 08
NEWS 30
         MAY 14
                 RDISCLOSURE on STN Easy enhanced with new search and display
                 fields
              NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS LOGIN
              Welcome Banner and News Items
NEWS IPC8
              For general information regarding STN implementation of IPC 8
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SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

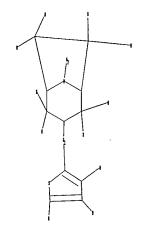
Please note that search-term pricing does apply when conducting SmartSELECT searches.

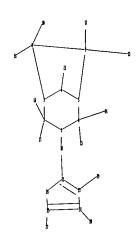
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\Stnexp\Queries\10561417A.str





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chain nodes:

10 11 12 13 14 15 16 17 18 21 27 28 29

ring nodes:

1 2 3 4 5 6 7 8 22 23 24 25 26

chain bonds:

1-18 2-16 2-17 4-21 6-14 6-15 7-12 7-13 8-10 8-11 18-22 23-29 24-28

25-27

ring bonds:

1-2 1-6 2-3 3-4 3-8 4-5 5-6 5-7 7-8 22-23 22-26 23-24 24-25 25-26

exact/norm bonds:

1-2 1-6 1-18 2-3 3-4 4-5 4-21 5-6 18-22

exact bonds:

2-16 2-17 3-8 5-7 6-14 6-15 7-8 7-12 7-13 8-10 8-11 22-23 22-26 23-24

23-29 24-25 24-28 25-26 25-27

isolated ring systems:
```

containing 1 : 22 :

G1:0,S,N

G2:C,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 0 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:37:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS 2 ANSWERS

SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST 172.10 172.31

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L41 L3

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ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

1991:408584 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 115:8584

TITLE: Preparation of 2-piperidino-1-alkanol derivatives as

antiischemic agents

INVENTOR(S): Chenard, Bertrand Leo

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: Eur. Pat. Appl., 48 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
≲ EP 398578 R: AT, BE, C	A2 CH, DE, DK		EP 1990-304975 GB, GR, IT, LI, LU, N	19900509 L, SE
SK 279476	В6	19981104	SK 1990-2328	19890517
CZ 284342	В6	19981014	CZ 1990-2328	19900511
CA 2016860	С	19980728	CA 1990-2016860	19900515
US 5185343	Α	19930209	US 1991-784446	19911023
FI 113645	B1	20040531	FI 1991-5403	19911115
US 5272160	Α	19931221	US 1992-932844	19920820
US 5338754	Α	19940816	US 1993-96913	19930723
	Α	19950221	US 1994-228466	19940415
US 5710168	Α	19980120	US 1994-336639	19941109
US 5527912	Α	19960618	US 1995-411030	19950327
PRIORITY APPLN. INFO.:			WO 1989-US2176	A 19890517
			WO 1990-US292	A 19900116
			US 1991-784446	A3 19911023
			US 1992-932844	A3 19920820
			US 1993-96913	A3 19930723
			US 1994-228466	A2 19940415
			US 1994-336639	A3 19941109
OTHER SOURCE(S):	CASREA	CT 115:8584	; MARPAT 115:8584	

GI.

AB The title compds. (I; R = H, alkyl, alkenyl, alkynyl; X = H, OH, aryl; Y = H, OH; Y1 = aryl, aralkyl, arylthio, aryloxy, YY1 = arylmethylene, aralkylmethylene; Q = S, CH:CH), useful as antiischemic agents in treating strokes, Alzheimer's disease, Huntington's disease, and Parkinson's disease (no data), are prepared A mixture of piperidine derivative II, p-(Me2CH)3SiOC6H4COCHBrMe, and Et3N in EtOH was refluxed to give 23% propiophenone III, which was reduced with LiAlH4 to give 89% mixture of (1R\*,2S\*)- and (1S\*,2S\*)-I [R = Me, X = 4-(Me2CH)3SiO, YY1 = PhCH, Q = CH:CH] (IV). Hydrolysis of IV with Bu4N+ F- in THF at room temperature gave the

mixture phenolic alc.  $(1S^*, 2S^*)$  - and  $(1R^*, 2S^*)$  - I (R = Me, X = 4 - HO, YY1 = PhCH, Q = CH:CH). Also prepared were 75 addnl. I and intermediates.

IT 134138-54-8P 134234-08-5P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as antiischemic agent)

RN 134138-54-8 CAPLUS

CN 8-Azabicyclo[3.2.1]octane-8-ethanol,  $\alpha$ -(4-hydroxyphenyl)- $\beta$ -methyl-3-(2-thienylthio)-, stereoisomer (9CI) (CA INDEX NAME)

RN 134234-08-5 CAPLUS

CN 8-Azabicyclo[3.2.1]octane-8-ethanol,  $\alpha$ -(4-hydroxyphenyl)- $\beta$ -methyl-3-(2-thienylthio)-, stereoisomer (9CI) (CA INDEX NAME)

=> d his

L1

(FILE 'HOME' ENTERED AT 10:36:55 ON 17 MAY 2007)

FILE 'REGISTRY' ENTERED AT 10:37:04 ON 17 MAY 2007 STRUCTURE UPLOADED

L2 0 S L1

FILE 'CAPLUS' ENTERED AT 10:37:54 ON 17 MAY 2007 1 S L3 FULL L4

=> log y COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 5.74 178.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -0.78-0.78

STN INTERNATIONAL LOGOFF AT 10:38:26 ON 17 MAY 2007